



Certified Energy

New Zealand Body for Certificate Issuance

Energy Attribute Certificates
**ACCELERATING
DECARBONISATION**

3 June 2020

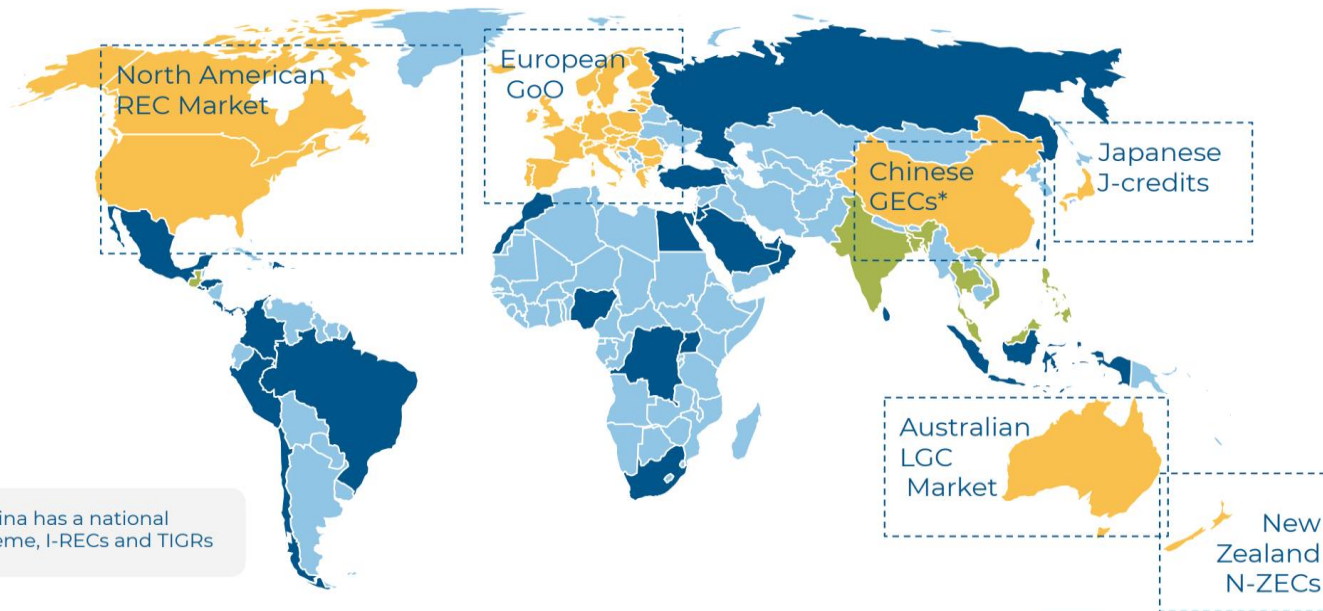
Energy Attribute Certificates (EACs) are:

- 1) a transferable, digital instrument, that
- 2) capture and convey energy production characteristics, in order to
- 3) enable trade between two (physically distant) parties.

EACs exist to help energy consumers to support particular energy production methods, through their purchasing decisions.



Global availability of EACs



* China has a national scheme, I-RECs and TIGRs

National and/or regional scheme



THE INTERNATIONAL REC STANDARD



THE INTERNATIONAL REC STANDARD



TIGRs
Tradeable Instruments for Global Renewables



EACs not currently available

Image credit - south pole

System benefit 1: Attribution

In an inter-connected network setting, RECs provide **ATTRIBUTION**.

Attribution enables us to:

- Understand ownership of externalities e.g. emissions
- Contract accordingly e.g. carbon inclusive / exclusive PPA
- Differentiate between products – locally-produced electricity anyone?

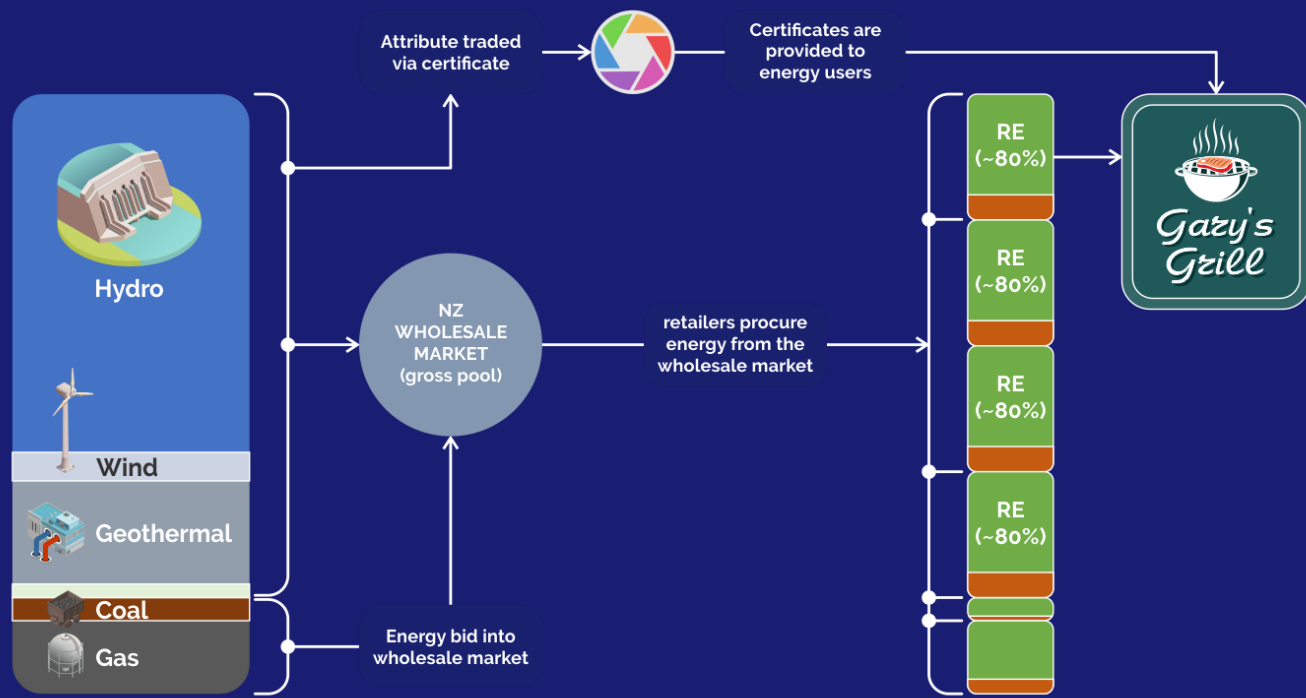
System benefit 2: Consequence

Purchase of EACs can also provide positive **CONSEQUENTIAL** outcomes.

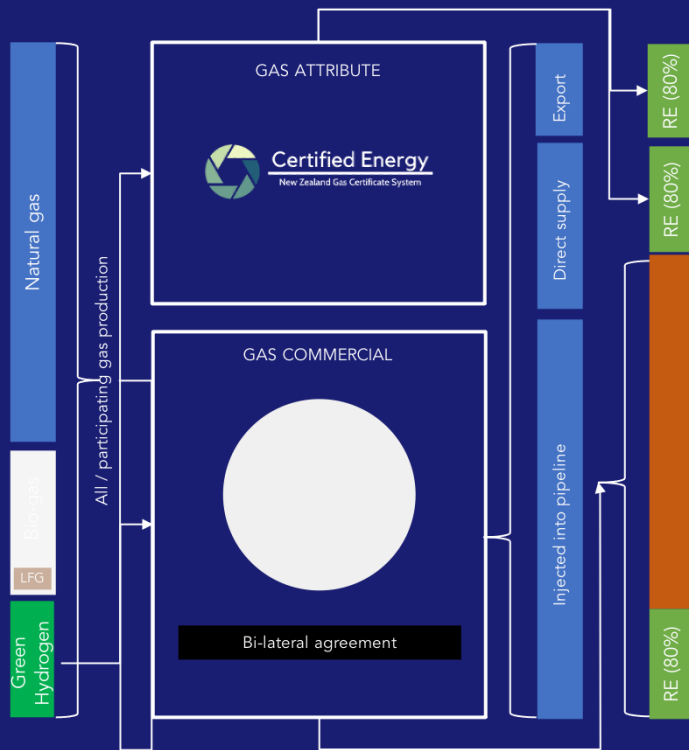
Under the correct settings, EAC sale and purchase has the potential to provide:

- incentive to decarbonise,
- investment in decarbonization projects,
- investment in new renewable development, and
- change in generation and / or consumption behaviour.

The New Zealand Energy Certificate System



The New Zealand Gas Certificate System



Process	Target date
Provision of discussion paper	30 April
Supporting webinar(s)	7 May & 11 May
Close of consultation period on discussion paper	23 May
Provision of draft rules	5 July
Consultation on draft rules ends	18 July
Publication of initial rules set for certification system	2 August

Benefits of NZ-ECs for electricity / gas

- Enabling consumer transparency and choice
- Supporting renewable energy production
- Ensuring international export parity
- Enabling energy export (green hydrogen)

Areas of further study / development

- Interplay with electricity market operation
- Interaction with carbon accounting frameworks (ETS)
- Future of certification (international harmonization)
- Role of certification in other areas (e.g. transport fuels).

WE WELCOME YOUR FEEDBACK

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New Zealand Energy Certificate System**

